

D

D

C

C

B

B


A

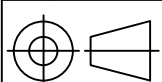
A

REVISION HISTORY					
REV	DATE	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED
NC	10/02/17	ADDED -17, -18 &-19 AND -20. REMOVED -14 & -15 SOCKET STRIPS, -10 CHANGED RIVET HOLE SPACING FROM 0.570 TO 0.590; ON -1 AND -2 CHANGED SCREWS TO CAD PLATE AND S.S. ALTERNATES. ADDED BEND CHART TO -17; ON -11 REMOVED LIGHTENING HOLES.	JT	LS	JT
A	03/15/18	ADDED NEW SHT 1 AND MOVED CHANGE DESCRIPTION; SHT 2 ADDED NOTE 5, ADDED SECTION B-B, MADE #11 REF, ITEM #26 WAS RT-6000-1, ITEM #2 WAS ES50184-1, ITEM #4 WAS ES50900-2, DELETED ITEM #11 MS20426AD4-4.5, ITEM #26 NAS662C2R8 WAS ITEM #16 MS24693S17; ON SHT 2 AND 3 ADDED FASTENER TORQUES; SHT 3 MOVED WASHERS UNDER NUTS AND REMOVED RT-6100-14 ISOLATOR IN MAIN VIEW; -10 MOVED FRONT LEFT HOLES AND VOLTMETER WINDOW RIGHT .2", REMOVED 2X DIA .129 HOLES ON RIGHT SIDE VIEW.	EW	LS	EW
B	7/26/18	SHT 1 ADDED NOTE 6; SHT 2 ADDED NOTE 8; -11 FLAT PATTERN BASE FLANGE WIDTH WAS 6.833, OFFSET BEND #2 TAB DOWN TO 6.264; -20 P/N WAS MS23053/5-105-2, ADDED ALT. P/N.	EW	LS	CMK
C	1/4/19	ADDED DIODE ARRAY ES50191-4 WITH MOUNTING HOLE IN -10 AND ASSOCIATED HARDWARE	CMK	LS	CMK
D	5/10/19	ADDED NEW DISPLAY MOUNTING HOLES TO -10 ENCLOSURE; ADDED NEW ES59350-2 OLED DISPLAY; ADDED ES50900-2 STANDOFFS AND REMOVED SCREWS WITH SPACERS;	CMK	LS	CMK
E	10/1/19	-11 ADDED 2 HOLES FOR SENSOR BRACKET; -1 REMOVED RT-6120-14/-16/-17 PLACARDS; -1 ADDED RT-1000-86 BAR, ES50191-5 DIODE, AND ASSOCIATED HARDWARE	CMK	LS	CMK

—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

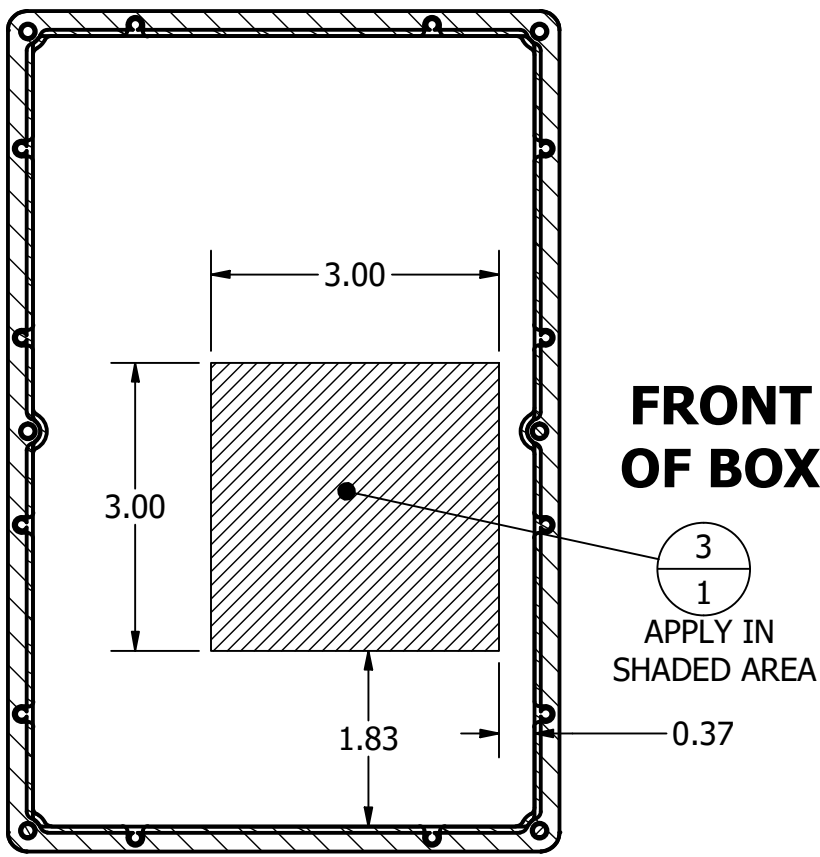
	TITLE				DRAWING NUMBER	
	CONTROL BOX ASSEMBLY				RT-6100	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX= ±.010 ANGLES=± 1°	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
	KEW	LS		9/8/16	E	
	DO NOT SCALE DRAWING				SHEET	
	© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				1 OF 17	



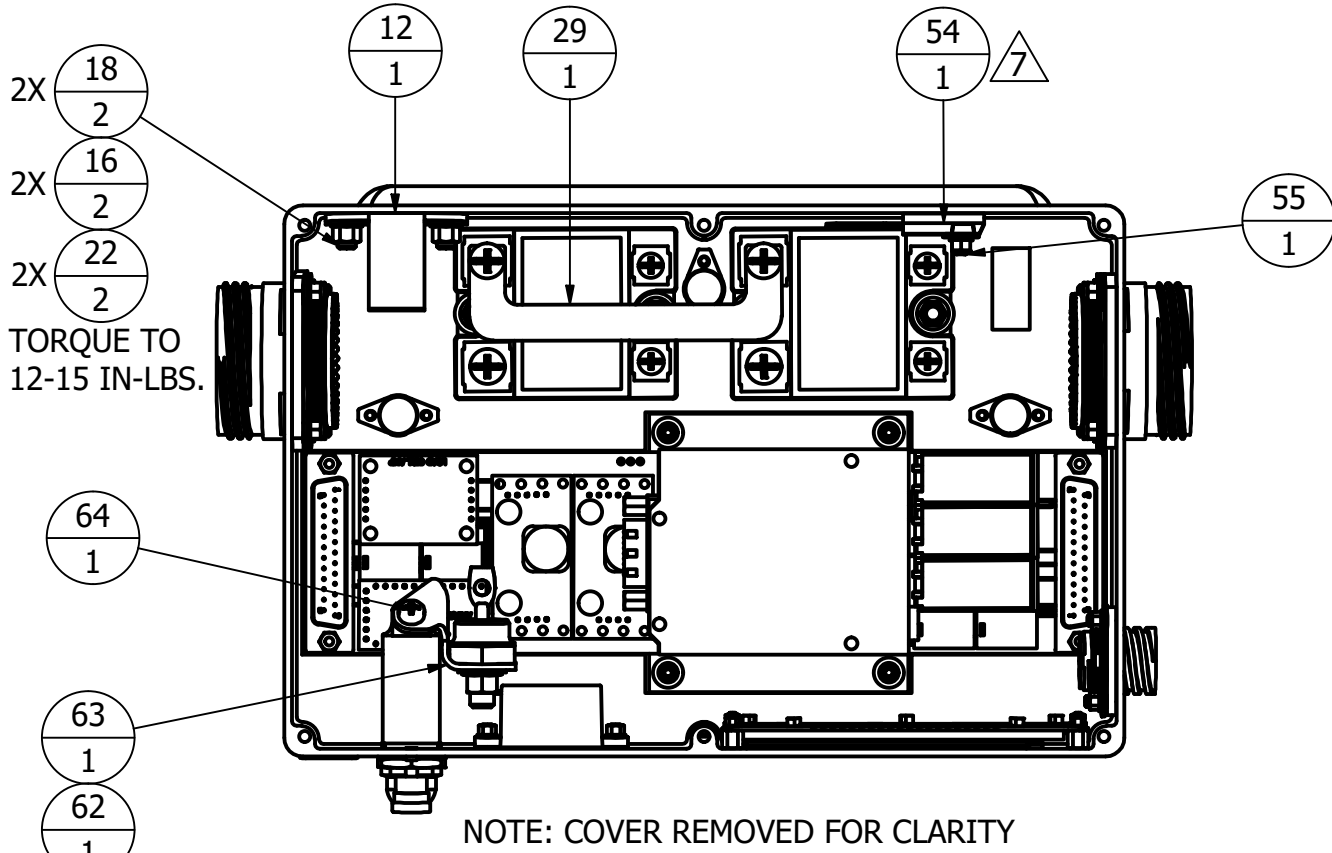
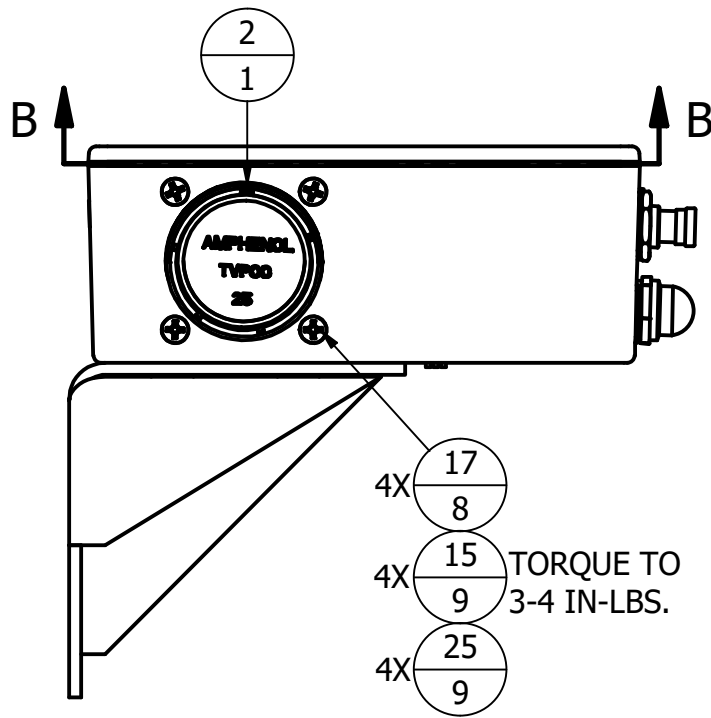
3RD ANGLE PROJECTION

-1 CONTROL BOX ASSEM  
(SHEET 1)

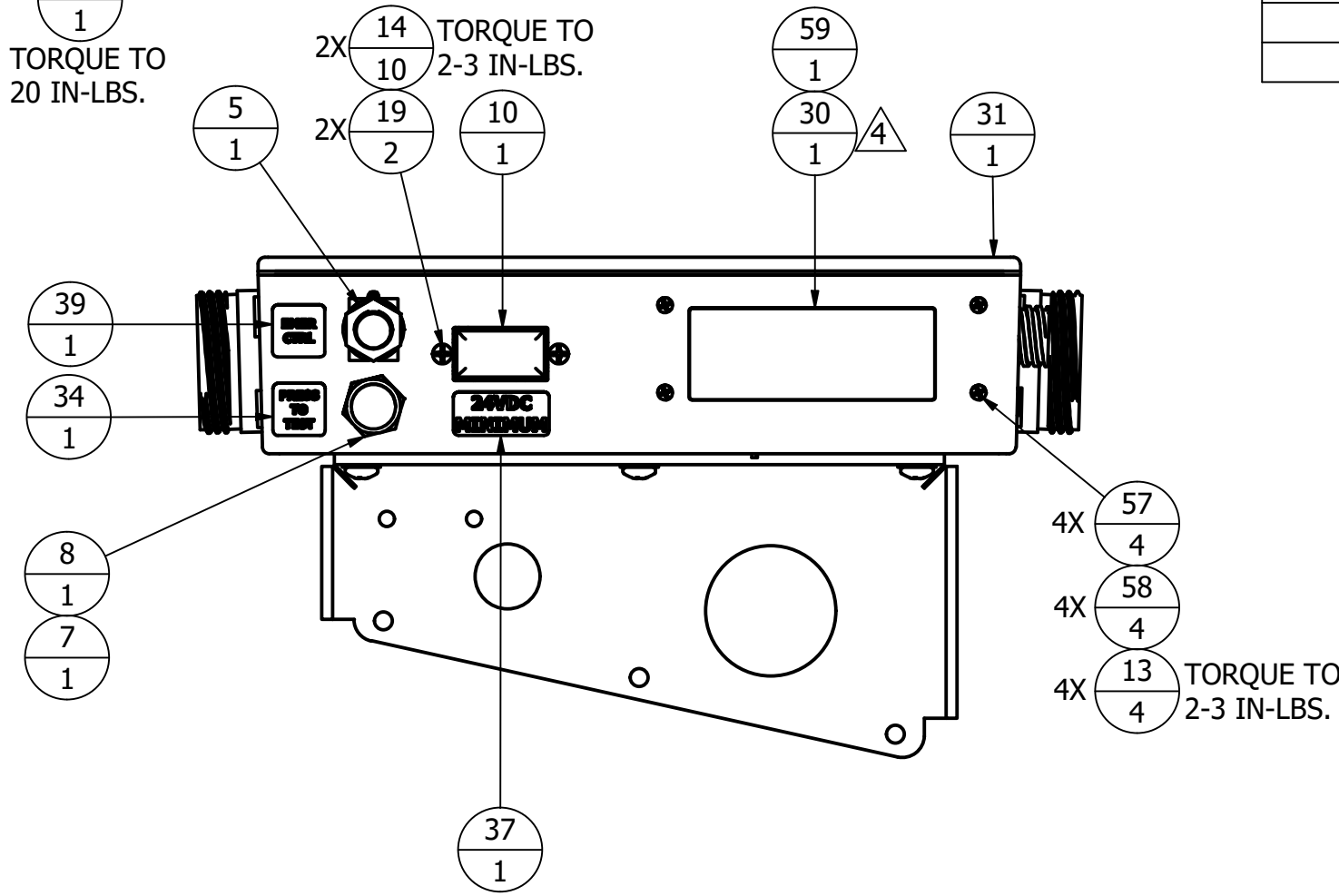
- NOTE:
- 1. WIRE PER ITEM #26
  - 2. WIRE INDIVIDUAL COMPONENTS BEFORE INSTALLING
  - 3. COVER AND COVER HARDWARE NOT SHOWN. APPLY LOCTITE RED 26250 THREAD LOCKER OR EQUIVALENT TO COVER HARDWARE WHEN INSTALLING
  - 4. SEAL MATING SURFACES W/ PEMATEX BLACK RTV #168 OR EQUIV.
  - 5. SEAL PLACARDS/LABELS USING 3M EDGE SEALER #3950 OR EQUIV.
  - 6. TORQUE FASTENERS PER AC43.13-1B CHG 1, TABLE 7-1.
  - 7. ELECTRICALLY AND THERMALLY BOND TO ENCLOSURE WITH ES09300-1



SECTION B-B  
(INSIDE OF LID)



NOTE: COVER REMOVED FOR CLARITY



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	D38999/20WJ20PNLC	RECEPTACLE
2	1	D38999/20WJ90SNLC	RECEPTACLE
3	9 IN	ES06024-1	PTFE TAPE
5	1	ES50184-3	CIRCUIT BREAKER
6	1	ES50239-1	PLUG
7	1	ES50601-1	PUSH BUTTON SWITCH
8	1	ES59060-1	BOOT
10	1	ES59360-1	VOLTMETER
11	1	M81714-2-DB1	TERMINAL JUNCTION MODULE (REF)
12	1	M81714-63-20F	GROUND MODULE
13	4	MS21042L02	NUT
14	10	MS21042L04	NUT
15	9	MS21042L06	NUT
16	2	MS21042L3	NUT
17	8	MS24693S27	SCREW (ALT. MS24693C27)
18	2	MS24693S271	SCREW (ALT. MS24693C271)
19	2	MS24693S3	SCREW (ALT. MS24693C3)
20	2	MS24693S4	SCREW (ALT. MS24693C4)
21	6	MS24693S5	SCREW (ALT. MS24693C5)
22	2	NAS1149D0332J	WASHER
24	8	NAS1149DN432J	WASHER
25	9	NAS1149DN632J	WASHER
27	1	RT-6000-3	CONTROL BOX ELECTRICAL SCHEMATIC
28	1	RT-6100-13	ISOLATOR
29	1	RT-6100-18	JUMPER BRACKET
30	1	RT-6100-19	ELECTRONIC BOX WINDOW
31	1	RT-6100-2	ENCLOSURE ASSEM
32	1	RT-6100-3	ELECTRONICS
33	1	RT-6120-12	LABEL
34	1	RT-6120-13	LABEL
39	1	RT-6120-19	LABEL
54	1	ES50191-4	DIODE ARRAY
55	1	MS24693-S28	SCREW
57	4	MS24693C17	SCREW
58	4	ES50900-2	STANDOFF
59	1	ES59350-2	OLED DISPLAY
60	1	MS21042L4	LOCKING NUT
61	1	NAS1149D0432J	WASHER
62	1	ES50191-5	DIODE
63	1	RT-1000-86	BAR
64	1	MS35206-227	SCREW

Paravion <sup>®</sup> Technology Inc.		TITLE		DRAWING NUMBER	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1° THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A		CONTROL BOX ASSEMBLY		RT-6100	
		DRAWN BY	CHK'D BY	APRVD. BY	DATE
		KEW	LS		9/8/16
		DO NOT SCALE DRAWING			SHEET
3RD ANGLE PROJECTION		© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.			2 OF 17

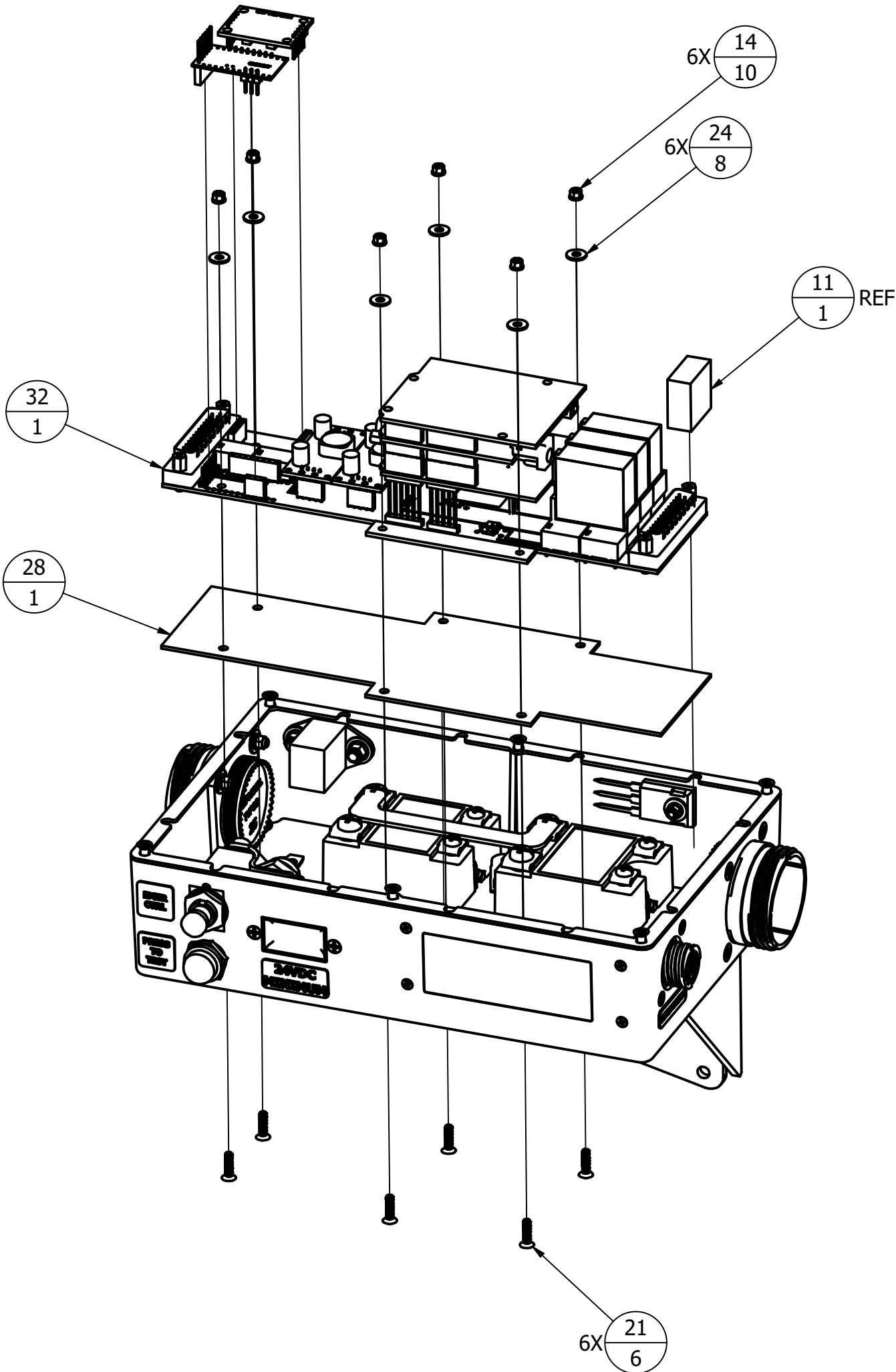
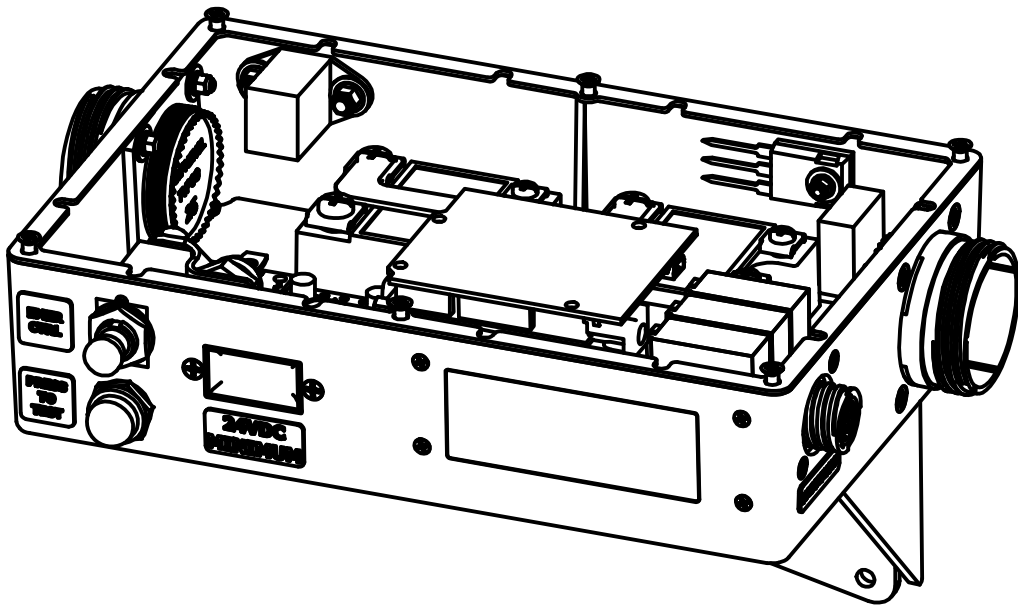
—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

**-1 CONTROL BOX ASSEM**  
**(SHEET 2)**

NOTE:

7. COVER AND COVER HARDWARE NOT SHOWN.
8. SOLDER ALL C.B. JOINTS IN ACCORDANCE WITH MIL-S-45473E.



—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS  
PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND  
SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY  
PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN  
PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

<div>Paravion<sup>®</sup> Technology Inc.</div> <div>DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°</div> <div>THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A</div>	TITLE		DRAWING NUMBER			
	CONTROL BOX ASSEMBLY		RT-6100			
	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
	KEW	LS		9/8/16	E	
	DO NOT SCALE DRAWING				SHEET	
	© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				3 OF 17	



-2 ENCLOSURE ASSEM

NOTE:  
1. COVER AND COVER HARDWARE NOT SHOWN

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	ES50183-1	SOLID STATE SWITCH
2	6	MS20426AD3-4	RIVET
3	4	MS21042L3	NUT
4	4	MS24693S272	SCREW (ALT. MS24693C272)
5	3	MS27039-1-09	SCREW
6	7	NAS1149D0332J	WASHER
7	3	NAS1474A3	10-32 SELF-LOCKING CAPPED NUTPLATE
8	1	RT-6100-10	ENCLOSURE
9	1	RT-6100-11	SUPPORT

D

C

C

B

A

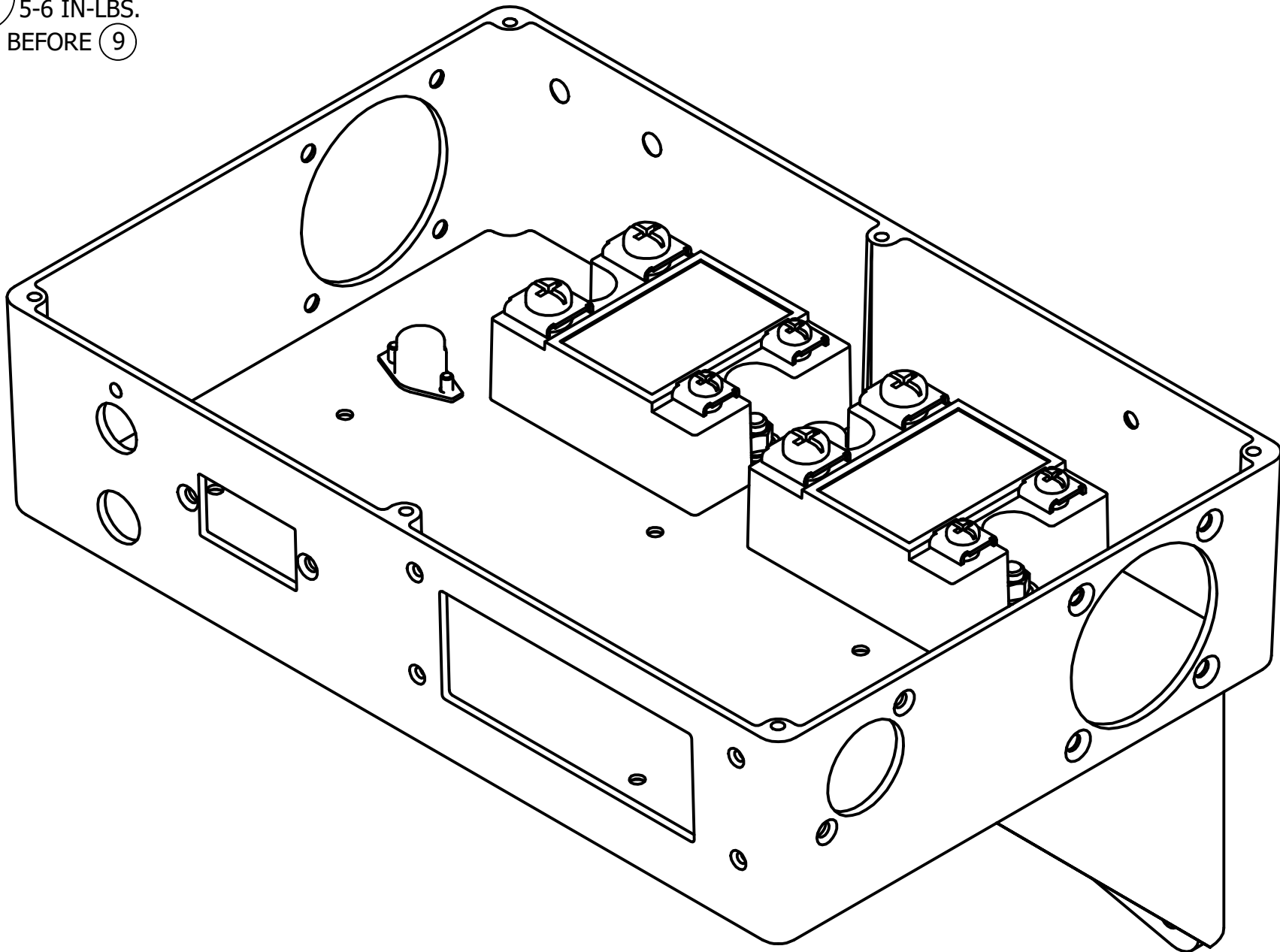
2X  
1  
2

4X  
6  
7

4X  
3  
4

4X  
4  
4

TORQUE TO  
5-6 IN-LBS.  
INSTALL BEFORE 9



D

C

C

B

A

9  
1

3X  
6  
7

3X  
5  
3

TORQUE TO  
20-25 IN-LBS.

—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS  
PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND  
SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY  
PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN  
PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

Paravion® Technology Inc.		TITLE CONTROL BOX ASSEMBLY		DRAWING NUMBER RT-6100	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY	DATE 9/8/16
THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A		DO NOT SCALE DRAWING		REV E	ECO
3RD ANGLE PROJECTION		© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		SHEET 4 OF 17	

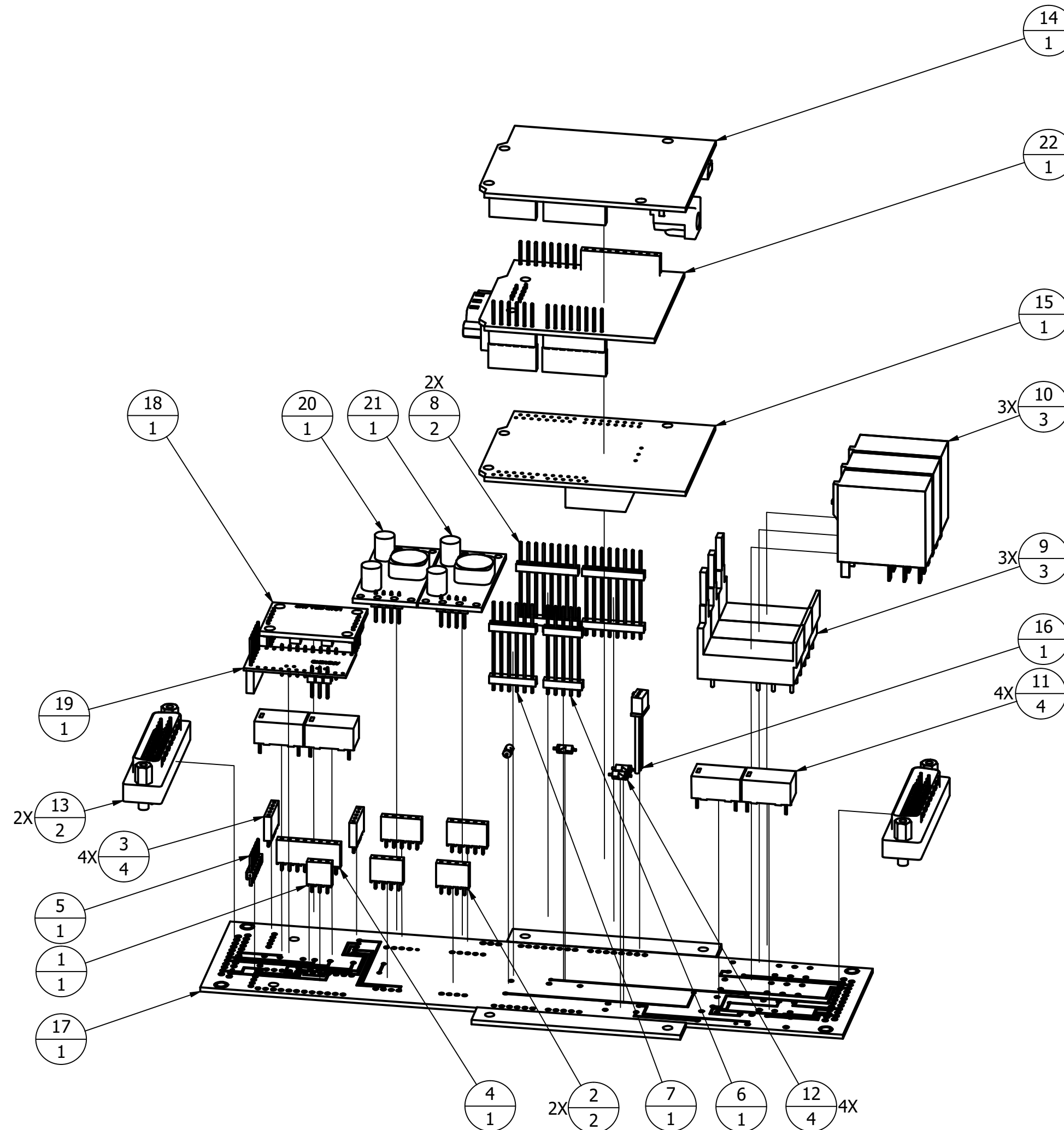
4


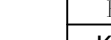
3

2

1

1. SOLDER ALL JOINTS IN ACCORDANCE WITH MIL-S-45473E
2. ONCE ASSEMBLED SEAL PER MIL-I-46058C

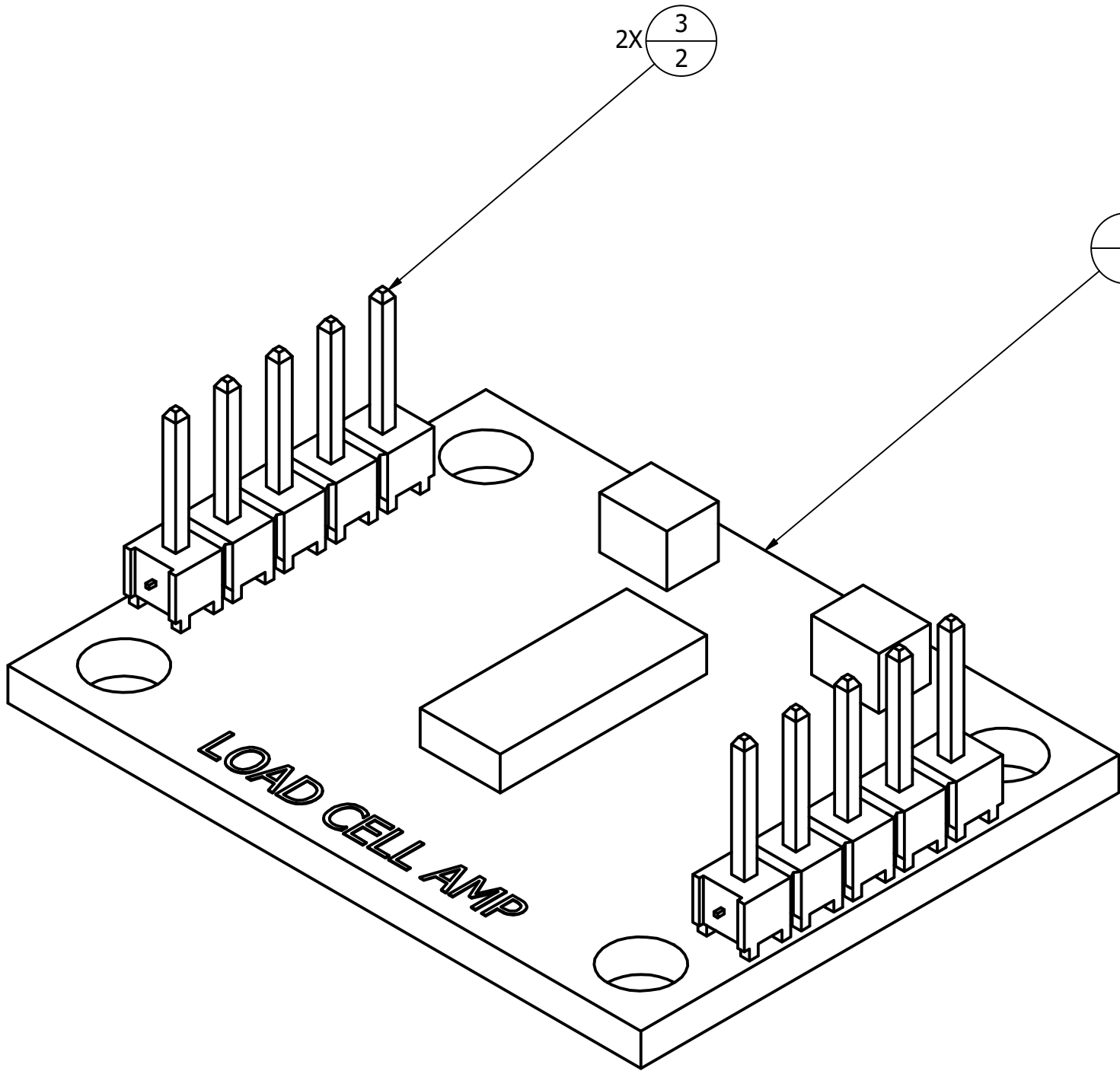


<div> <div>  <div> <div>Paravion<sup>®</sup></div> <div>Technology Inc.</div> </div> </div> </div>	TITLE				DRAWING NUMBER					
	CONTROL BOX ASSEMBLY				RT-6100					
	DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°				DRAWN BY  KEW	CHK'D BY  LS	APRVD. BY  	DATE  9/8/16	REV  E	ECO  
	 3RD ANGLE PROJECTION				DO NOT SCALE DRAWING		SHEET			
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A				© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		5 OF 17				

-4 LOAD CELL AMP ASSEM

NOTE:  
1. SOLDER ALL JOINTS IN ACCORDANCE WITH MIL-S-45473E

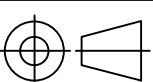
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	ES50732-1	LOAD CELL AMP
3	2	ES50020-3	TERMINAL STRIP



<div>Paravion<sup>®</sup> Technology Inc.</div>	TITLE				DRAWING NUMBER	
					RT-6100	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
	KEW	LS		9/8/16	E	
	DO NOT SCALE DRAWING				SHEET	
	© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				6 OF 17	

—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

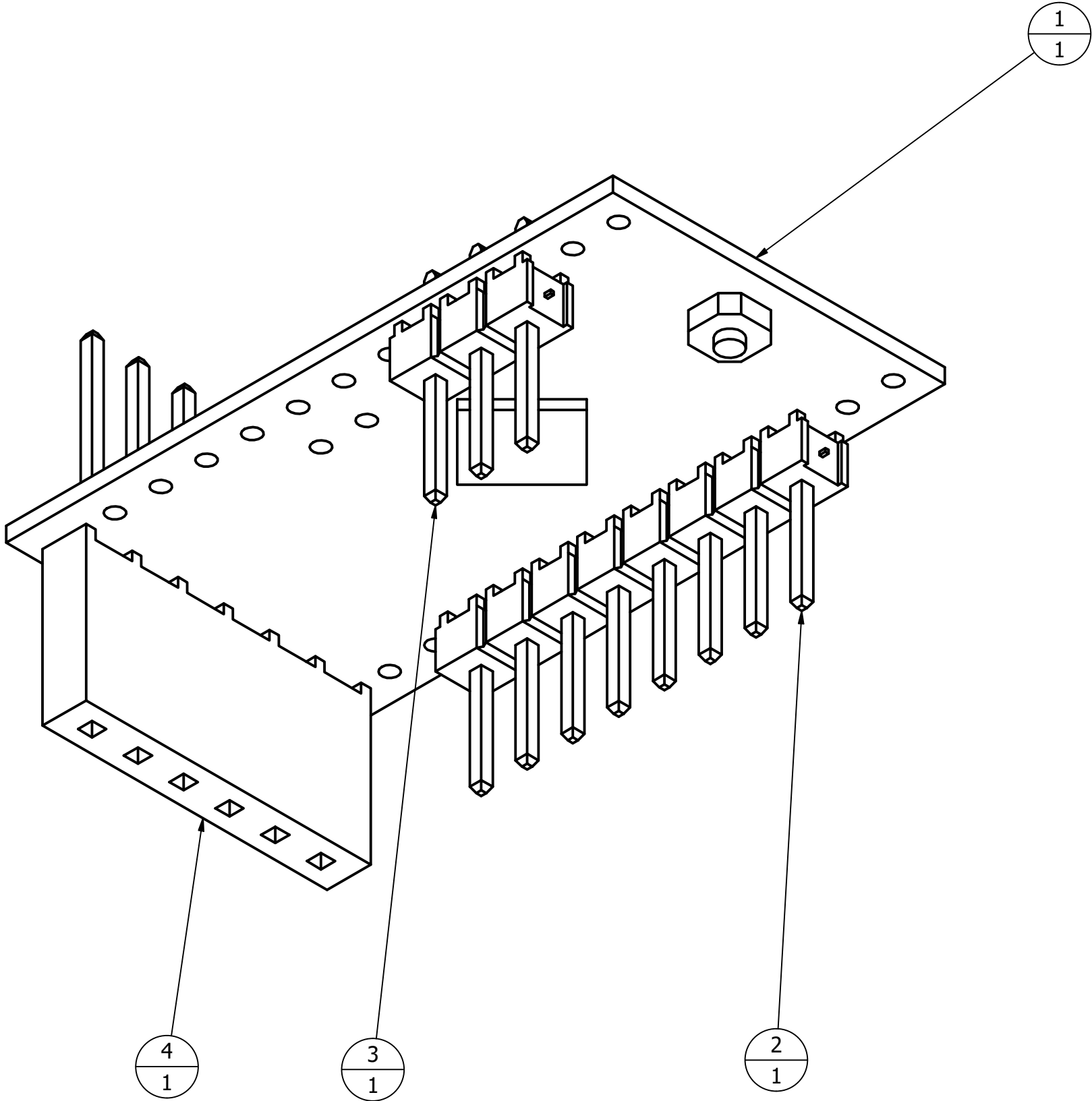


3RD ANGLE PROJECTION

-5 ARDUINO PRO MINI ASSEM


NOTE:  
1. SOLDER ALL JOINTS IN ACCORDANCE WITH MIL-S-45473E

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	ES50731-1	ARDUINO PRO MINI
2	1	ES50020-5	TERMINAL STRIP
3	1	ES50020-1	TERMINAL STRIP
4	1	ES50015-7	SOCKET STRIP



—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS  
PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND  
SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY  
PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN  
PERMISSION OF PARAVION TECHNOLOGY, INC.

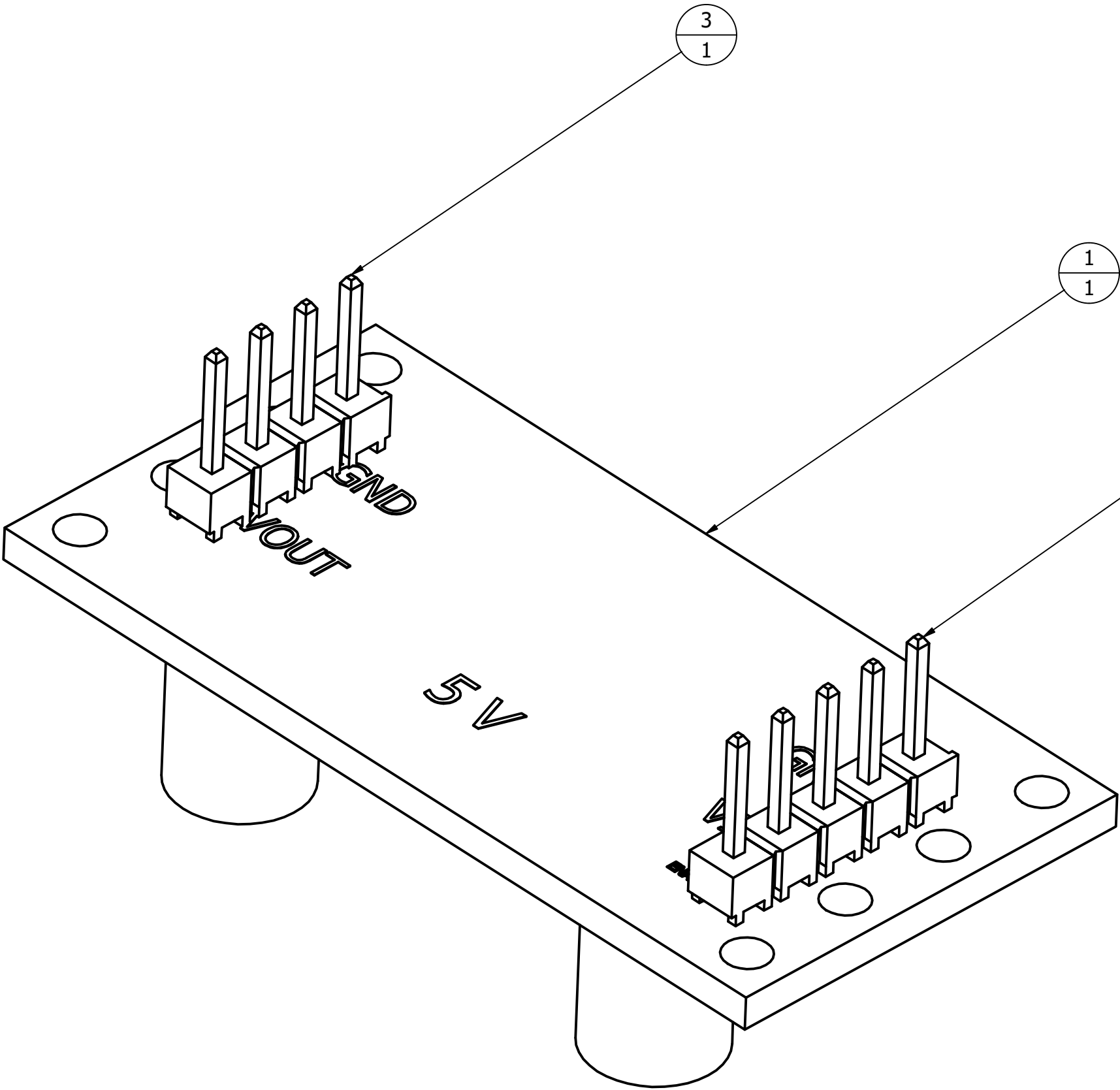
PROTO

<div>Paravion<sup>®</sup> Technology Inc.</div> <div>DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°</div> <div>THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A</div>	TITLE			DRAWING NUMBER		
	CONTROL BOX ASSEMBLY			RT-6100		
	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
	KEW	LS		9/8/16	E	
		DO NOT SCALE DRAWING			SHEET	
3RD ANGLE PROJECTION	© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.			7 OF 17		

-6 VOLTAGE REGULATOR ASSEM

NOTE:  
1. SOLDER ALL JOINTS IN ACCORDANCE WITH MIL-S-45473E

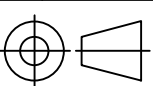
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	ES50055-1	VOLTAGE REGULATOR
2	1	ES50020-3	TERMINAL STRIP
3	1	ES50020-2	TERMINAL STRIP



—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS  
PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND  
SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY  
PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN  
PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

<div>Paravion<sup>®</sup> Technology Inc.</div>	TITLE				DRAWING NUMBER	
	CONTROL BOX ASSEMBLY				RT-6100	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
	KEW	LS		9/8/16	E	
	DO NOT SCALE DRAWING				SHEET	
	THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A				8 OF 17	



3RD ANGLE  
PROJECTION

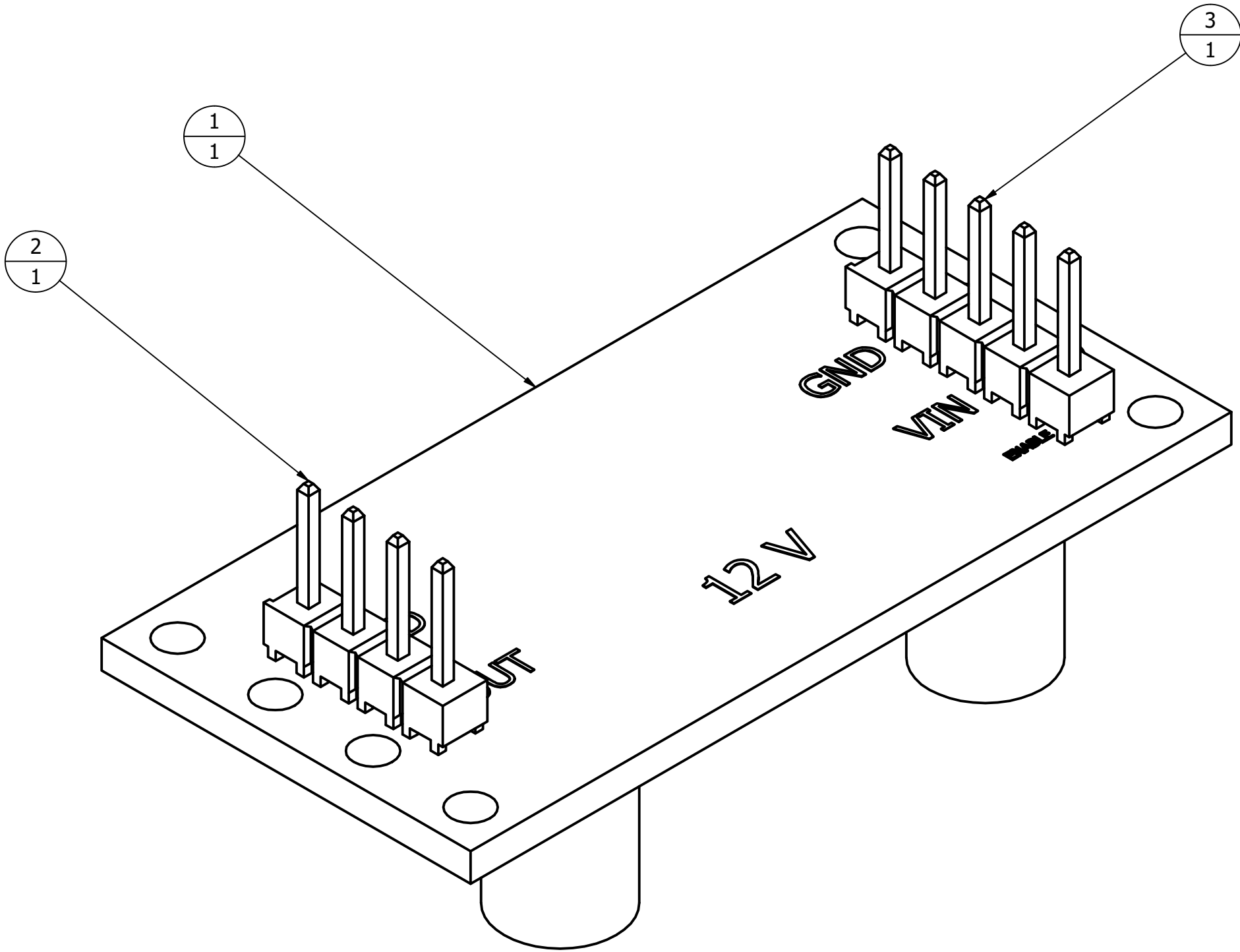
© 2017 PARAVION TECH. INC.  
PARAVION IS A TRADEMARK OF  
PARAVION TECHNOLOGY INC.



-7 VOLTAGE REGULATOR ASSEM

NOTE:  
1. SOLDER ALL JOINTS IN ACCORDANCE WITH MIL-S-45473E

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	ES50055-2	VOLTAGE REGULATOR
2	1	ES50020-2	TERMINAL STRIP
3	1	ES50020-3	TERMINAL STRIP



<div>Paravion<sup>®</sup> Technology Inc.</div> <div>DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°</div>	TITLE CONTROL BOX ASSEMBLY				DRAWING NUMBER RT-6100	
	DRAWN BY KEW	CHK'D BY LS	APRVD. BY	DATE 9/8/16	REV E	ECO
THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A	3RD ANGLE PROJECTION	DO NOT SCALE DRAWING		SHEET 9 OF 17		

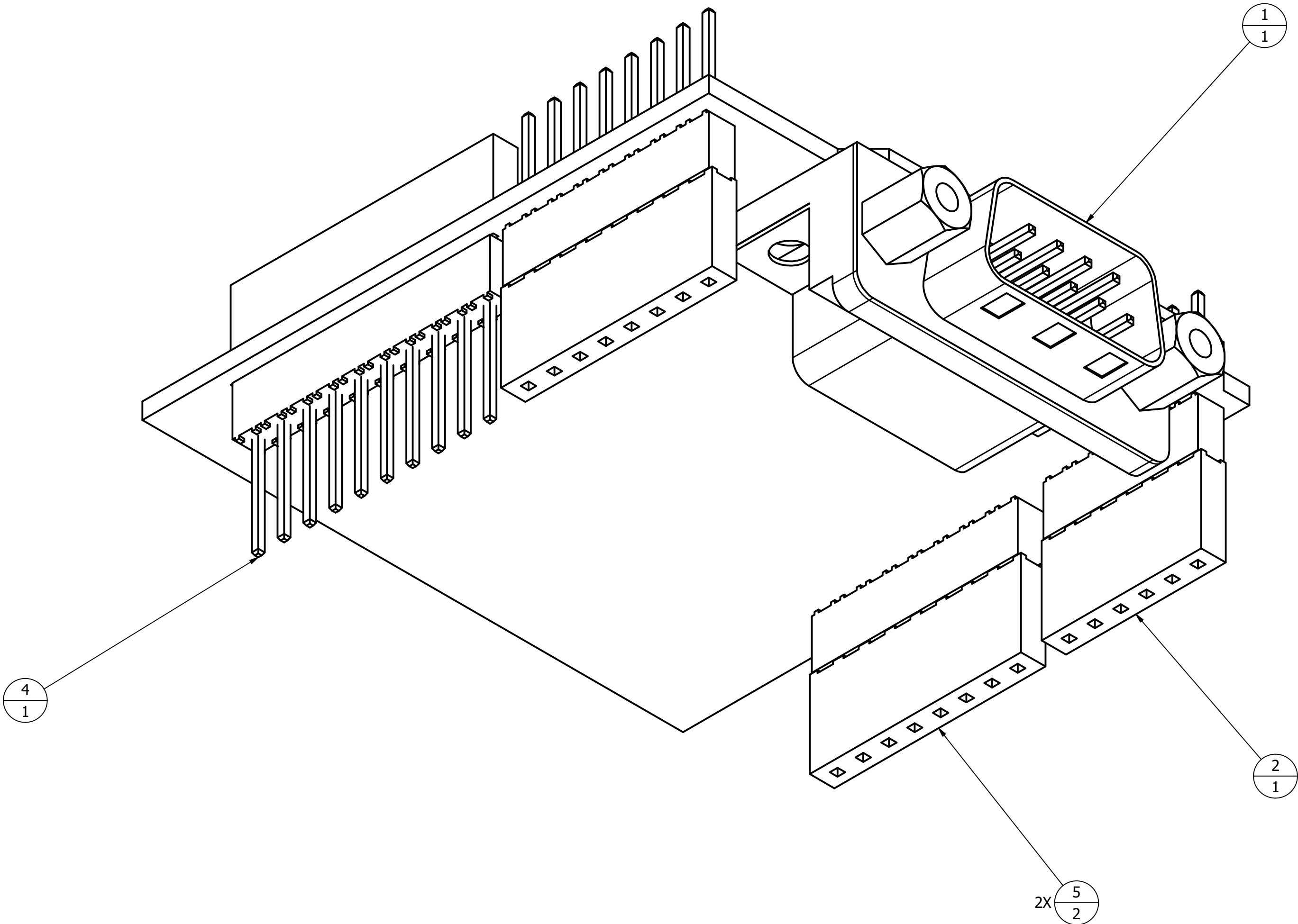
—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

-8 CAN-BUS ASSEM


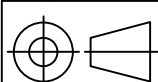
NOTE:  
1. SOLDER ALL JOINTS IN ACCORDANCE WITH MIL-S-45473E

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	ES50734-1	CAN-BUS
2	1	ES50015-1	SOCKET STRIP
5	2	ES50015-2	SOCKET STRIP
4	1	ES50015-3	SOCKET STRIP



—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS  
PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND  
SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY  
PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN  
PERMISSION OF PARAVION TECHNOLOGY, INC.

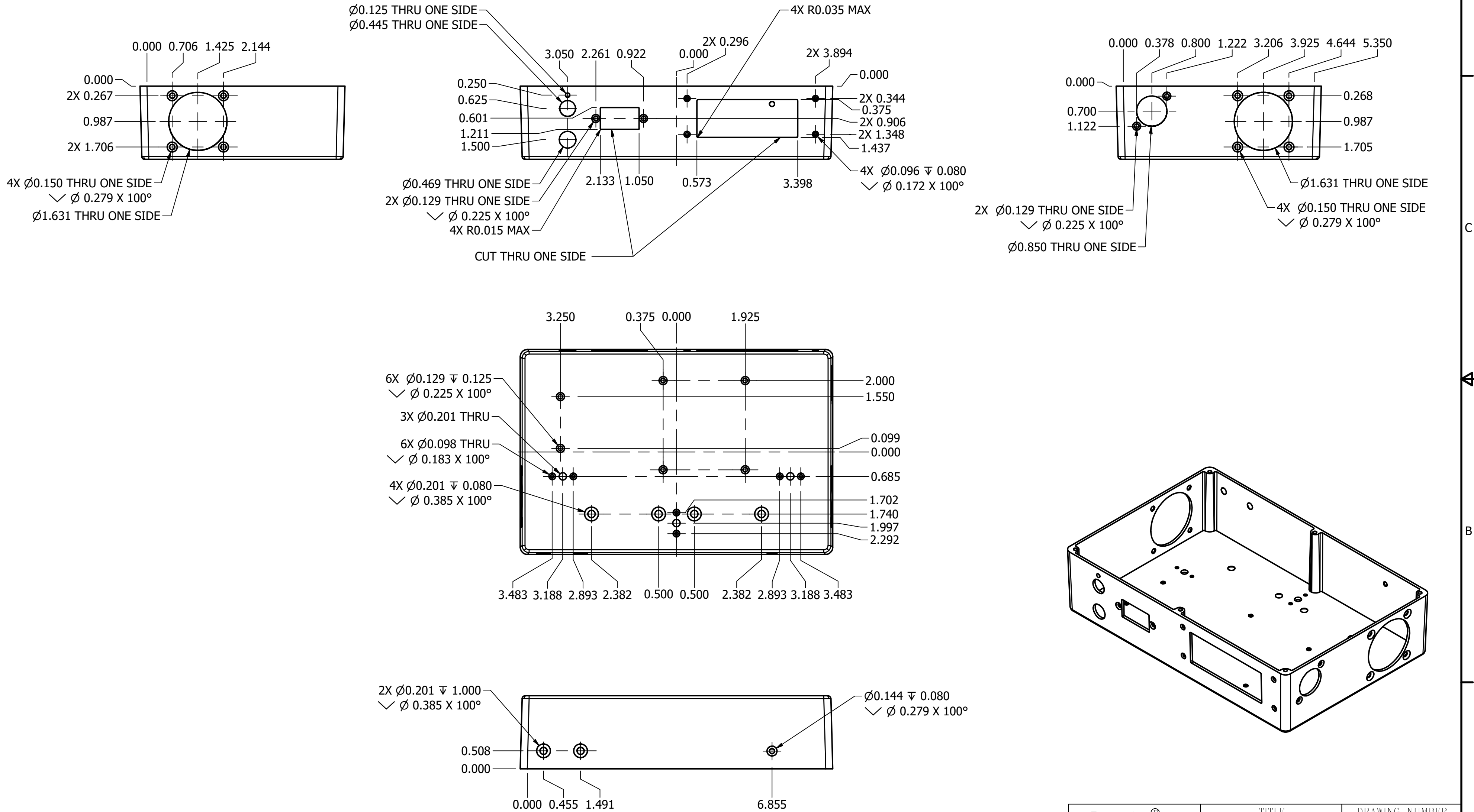
PROTO

	TITLE				DRAWING NUMBER	
	CONTROL BOX ASSEMBLY				RT-6100	
	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
	KEW	LS		9/8/16	E	
	DO NOT SCALE DRAWING				SHEET	
THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A		© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				10 OF 17

-10 ENCLOSURE

MAKE FROM: ES59002-1  
VENDOR: BUD INDUSTRIES INC.  
FINISH: BLACK POLYURETHANE POWDER COAT CARDINAL C241-BK303 (BOTH ENCLOSURE AND COVER)

NOTE:  
1. COVER AND COVER HARDWARE NOT SHOWN



—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

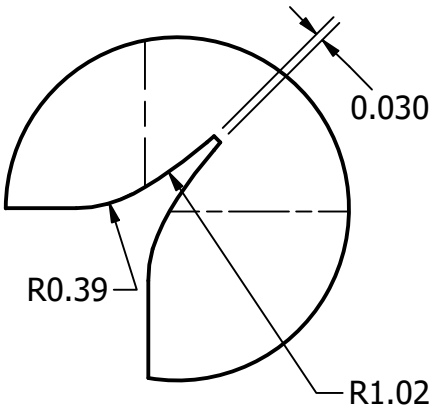
<div>Paravion<sup>®</sup> Technology Inc.</div> <div>DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°</div> <div>THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A</div>	TITLE		DRAWING NUMBER			
	CONTROL BOX ASSEMBLY		RT-6100			
	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
	KEW	LS		9/8/16	E	
<div>3RD ANGLE PROJECTION</div>	DO NOT SCALE DRAWING				SHEET	
	© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				11 OF 17	

-11 SUPPORT

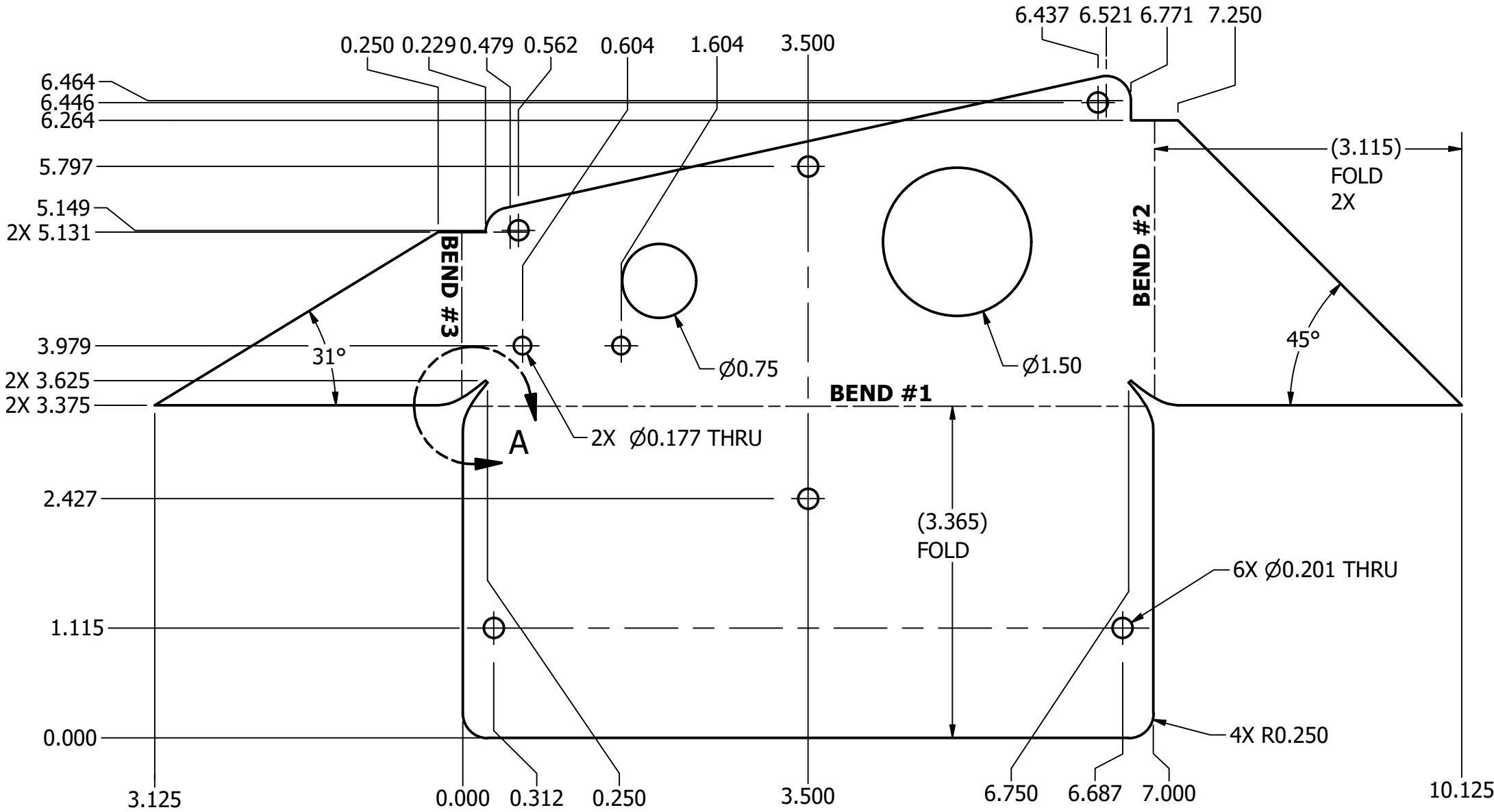
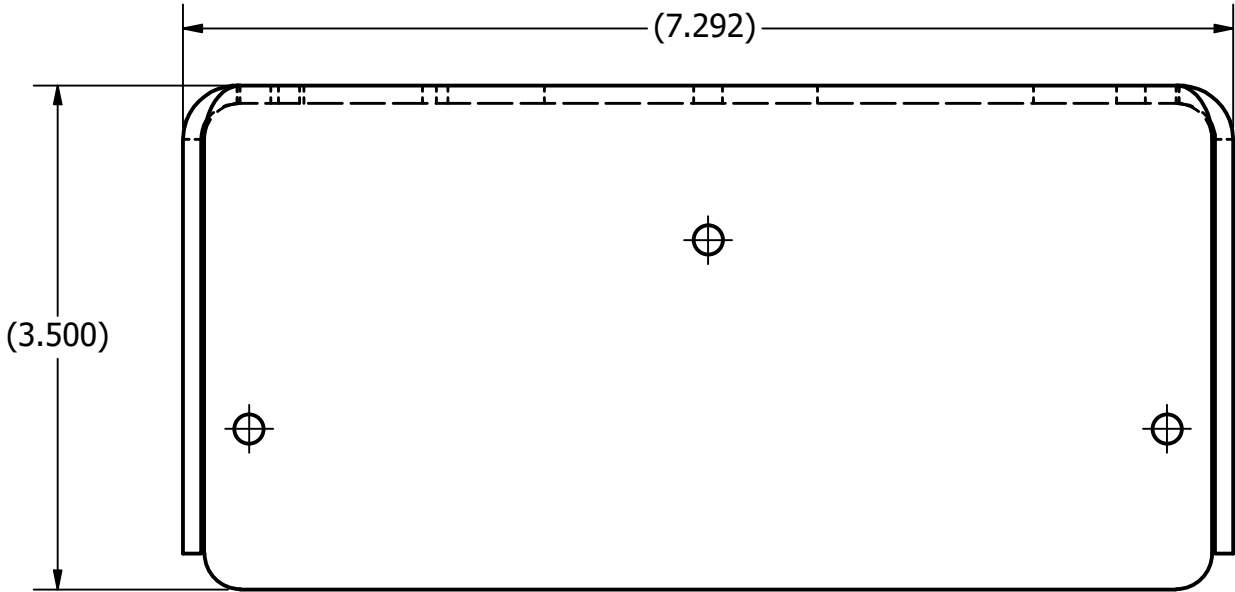
MATERIAL: .125" THICK 6061-T6 AMS 4150, AMS 4160, AMS 4161, AMS 4172, AMS 4173, AMS-QQ-A-200/8  
FINISH: ANODIZE PER MIL-A-8625 TYPE II, CLASS 2, COLOR: BLACK

NOTE:  
1. WELD PER EPS-1003 CLASS C

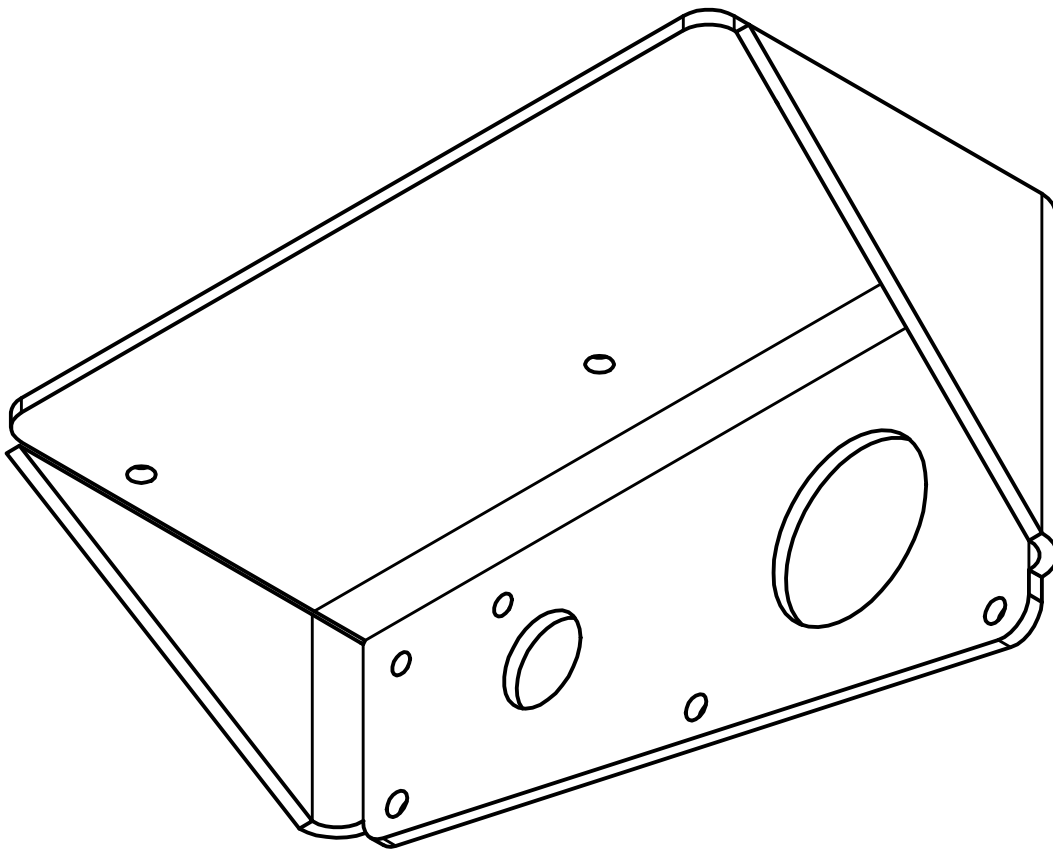
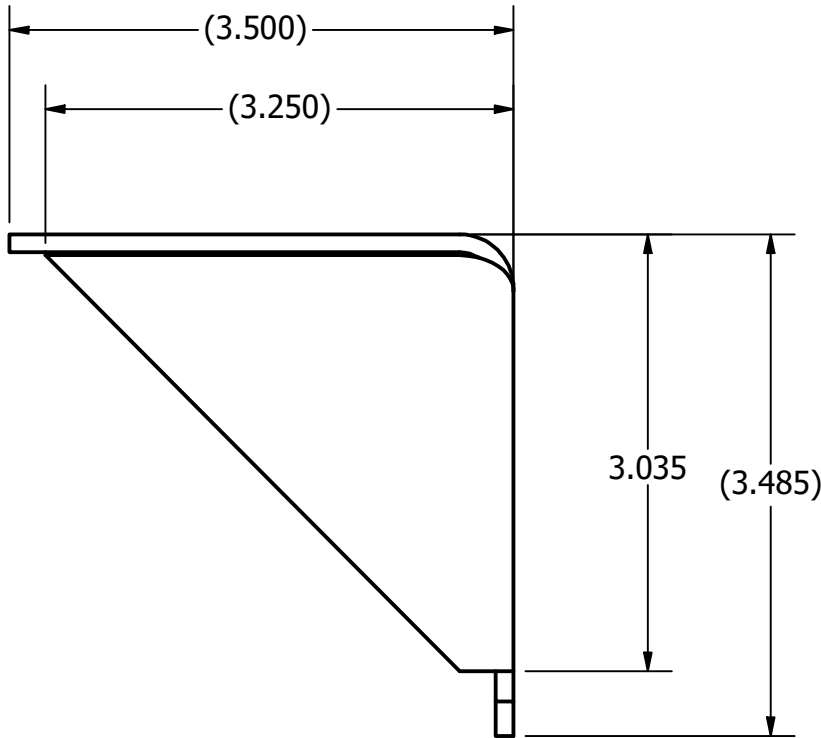
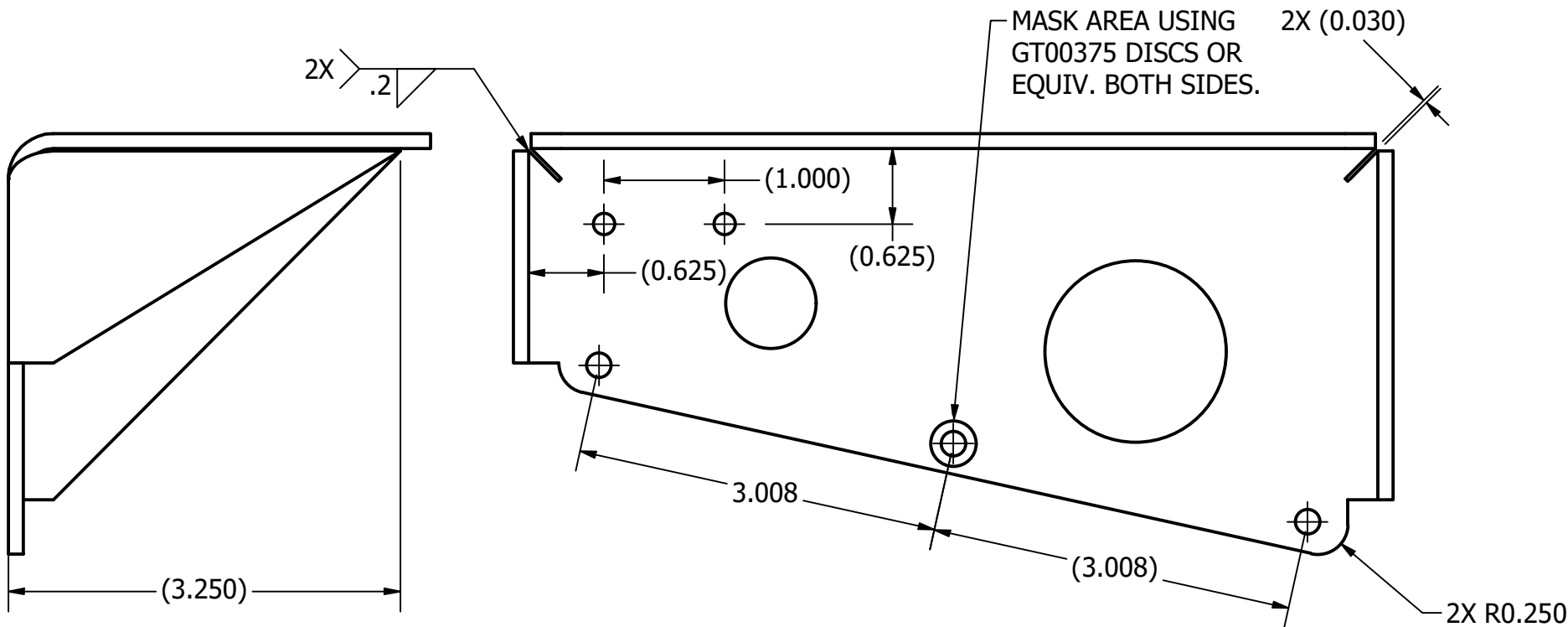
BEND CHART			
	BEND #1	BEND #2	BEND #3
PUNCH	#15	#15	#15
DIE	#16	#16	#16
ANGLE	69	69	69
DIMENSION	3.395	3.136	3.136



DETAIL A  
2 PLACES



FLAT PATTERN



BREAK ALL SHARP EDGES

 DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1° THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A	TITLE CONTROL BOX ASSEMBLY		DRAWING NUMBER RT-6100	
	DRAWN BY KEW	CHK'D BY LS	APRVD. BY	DATE 9/8/16
	DO NOT SCALE DRAWING		REV E	ECO
	3RD ANGLE PROJECTION		SHEET 12 OF 17	

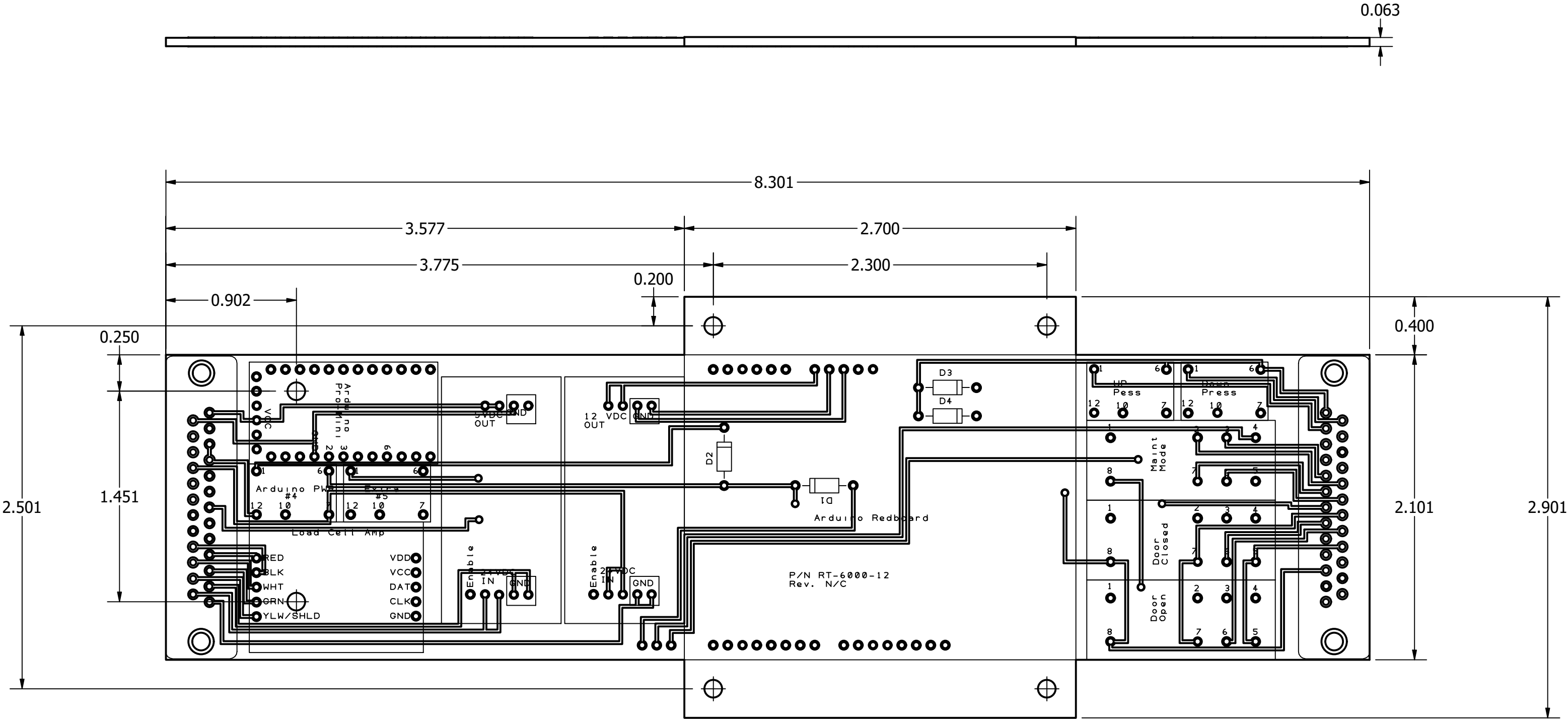
—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS  
PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND  
SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY  
PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN  
PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO



-12 MAIN CIRCUIT BOARD

VENDOR: ADVANCED CIRCUITS - PART NUMBER: RT-6100-12V  
MATERIAL: FR4  
STOCK: 0.062" THICK  
FINISH: NONE



—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

<div>Paravion<sup>®</sup> Technology Inc.</div> <div>DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°</div> <div>THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A</div>	TITLE		DRAWING NUMBER			
	CONTROL BOX ASSEMBLY		RT-6100			
	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
	KEW	LS		9/8/16	E	
<div>3RD ANGLE PROJECTION</div>	DO NOT SCALE DRAWING				SHEET	
	© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				13 OF 17	

-13 ISOLATOR

MATERIAL: ES00130-1 NEOPRENE SHEET  
FINISH: NONE

D

D

C

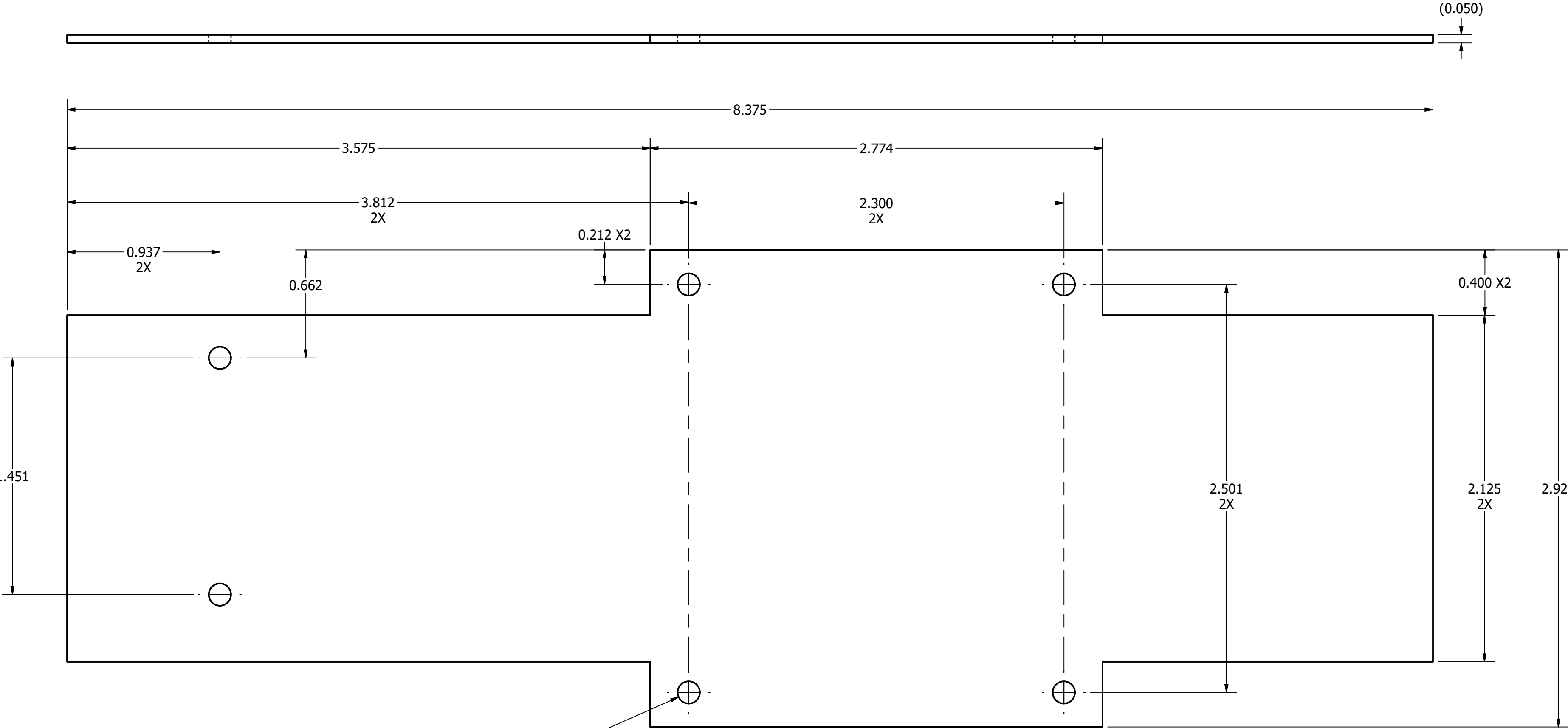
C

B

B

A

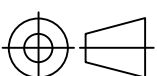
A



—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS  
PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND  
SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY  
PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN  
PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

Paravion <sup>®</sup> Technology Inc.		TITLE CONTROL BOX ASSEMBLY			DRAWING NUMBER RT-6100	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°		DRAWN BY KEW	CHK'D BY LS	APRVD. BY	DATE 9/8/16	REV E
		DO NOT SCALE DRAWING				ECO
		© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				SHEET 14 OF 17

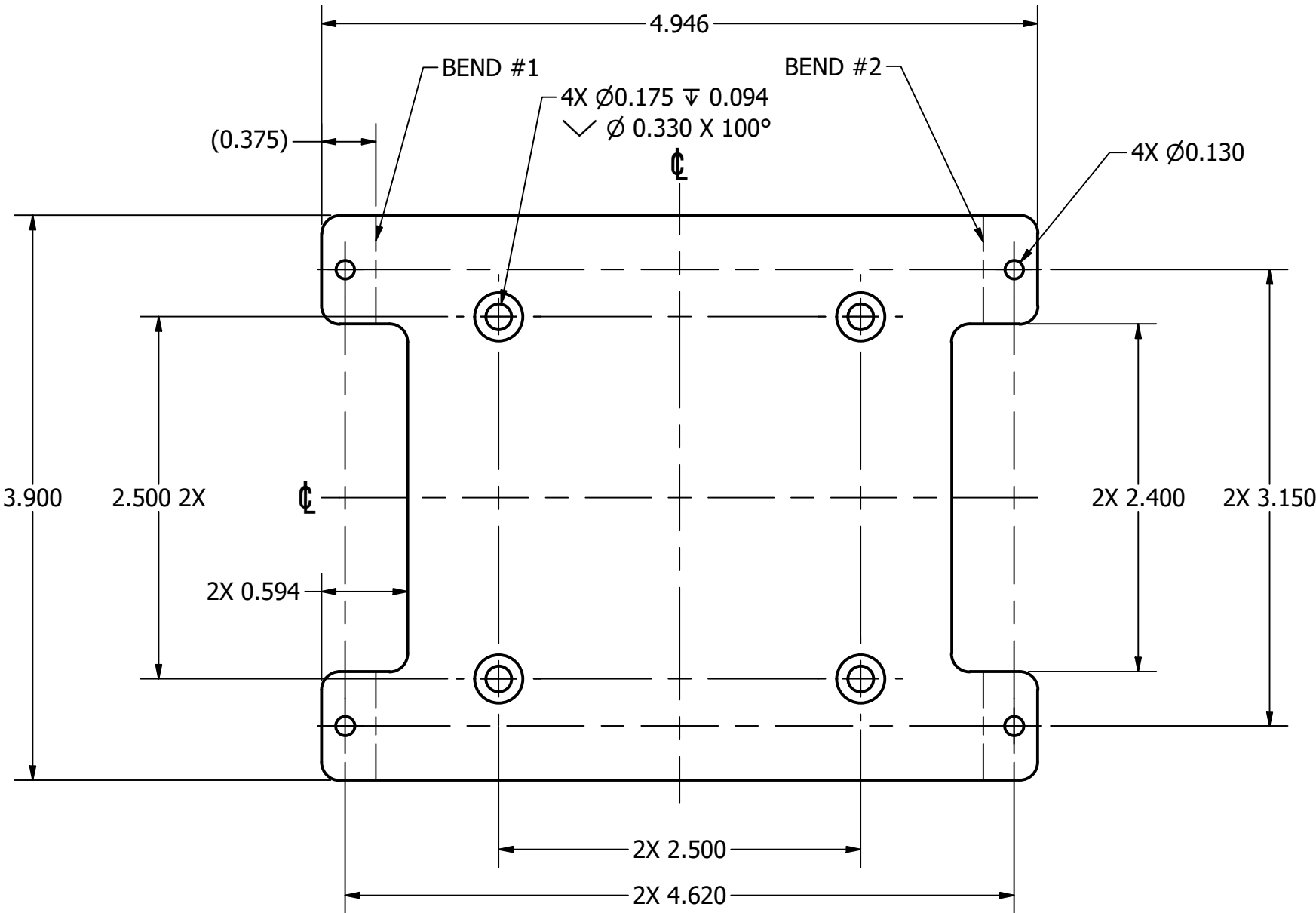


3RD ANGLE  
PROJECTION

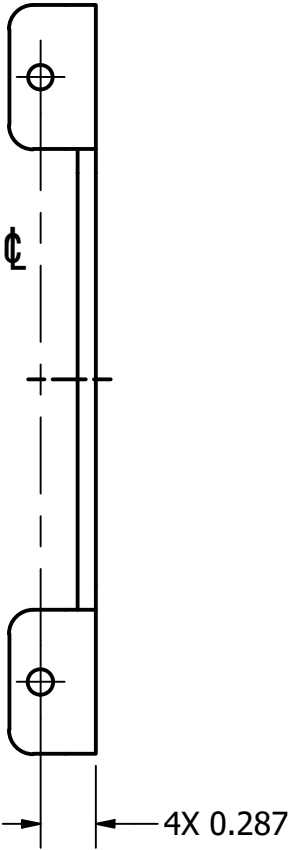
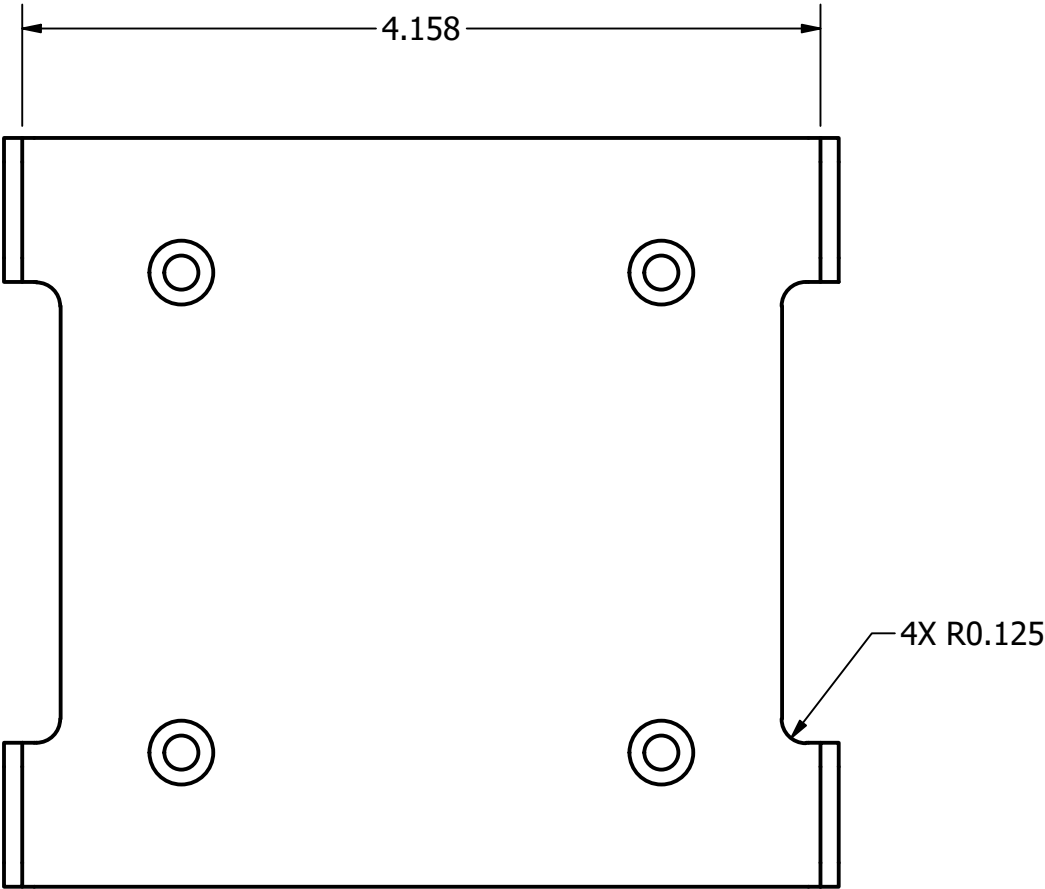
-17 BRACKET

MATERIAL: 300 SERIES S.S.,AMS 5901, AMS 5576, AMS 5573, AMS 5324  
STOCK SIZE: 13 GA  
FINISH: NONE

FLAT PATTERN




BEND CHART		
	BEND #1	BEND #2
PUNCH	#21	#21
DIE	#15	#15
ANGLE	80	80
DIMENSION	.372	.372



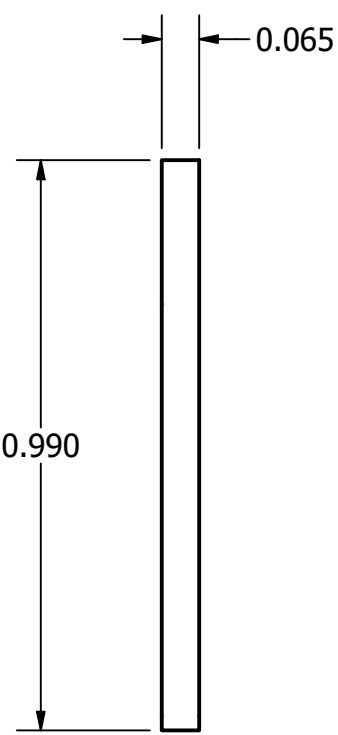
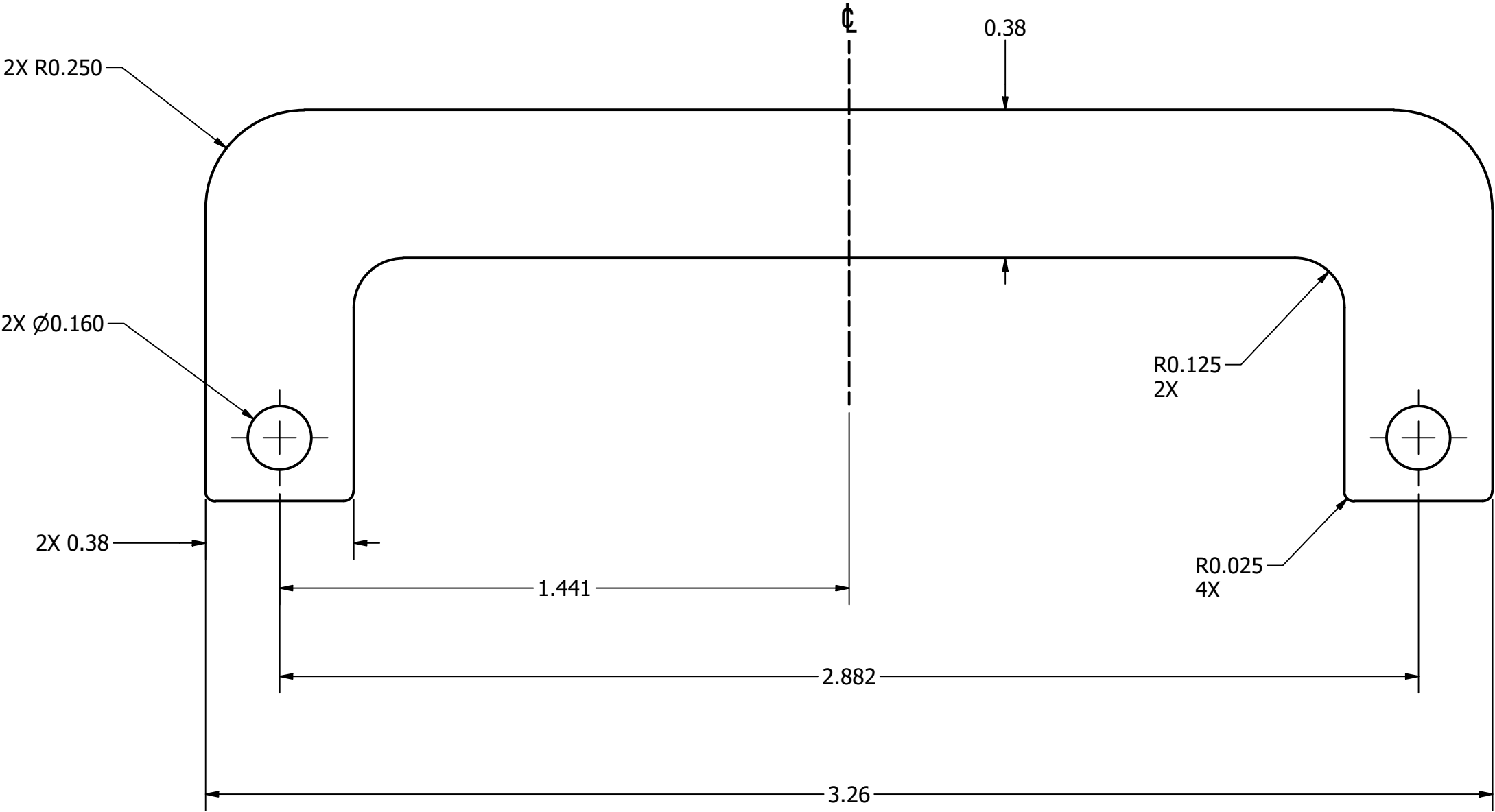
—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS  
PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND  
SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY  
PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN  
PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

<div>Paravion<sup>®</sup> Technology Inc.</div> <div>DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: <div>.X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°</div><div>THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A</div></div>	TITLE			DRAWING NUMBER		
	CONTROL BOX ASSEMBLY			RT-6100		
	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
	KEW	LS		9/8/16	E	
		DO NOT SCALE DRAWING			SHEET	
3RD ANGLE PROJECTION	© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.			15 OF 17		

-18 JUMPER BRACKET

MATERIAL: 6061-T6, AMS 4025, AMS 4027, AMS-QQ-A-250/11  
STOCK SIZE: 0.063" THICK  
FINISH: NONE

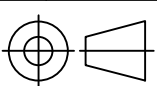


**NOTE:**  
DEBURR AND BREAK ALL SHARP EDGES

—CONFIDENTIAL INFORMATION—  
THE INFORMATION AND DATA CONTAINED HEREIN IS  
PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND  
SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY  
PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN  
PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

<div>Paravion<sup>®</sup> Technology Inc.</div> <div>DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°</div> <div>THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A</div>	TITLE CONTROL BOX ASSEMBLY				DRAWING NUMBER RT-6100	
	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
	KEW	LS		9/8/16	E	
	DO NOT SCALE DRAWING				SHEET 16 OF 17	



3RD ANGLE  
PROJECTION

© 2017 PARAVION TECH. INC.  
PARAVION IS A TRADEMARK OF  
PARAVION TECHNOLOGY INC.




## A

Technical drawing of a rectangular plate. The drawing shows a top view and a side view. The top view is a rectangle with a width of 3.085 and a height of 00.032. The side view shows a rectangular profile with a height of 00.078 and a width of 00.1100. The drawing is a black and white line drawing with dimension lines and arrows indicating the measurements.

## A

1.00

RADAR ALTIMETER

-CONFIDENTIAL INFORMATION-		PROTO	$\text{XXX} = \pm 0.010$ $\text{ANGLES} = \pm 1'$		DO NOT SCALE DRAWING	SHEET
THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE, AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED OR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.		THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A	3RD ANGLE PROJECTION	© 2017 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.	<b>17 OF 17</b>	